L9 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2006 ACS on STN
AB The hydrolysis of aluminates was studied in aqueous H2O2 by 19F and 27Al NMR. During fluoroaluminate hydrolysis, polymeric Al μ-peroxofluorohydroxy complexes form and precipitate as x-ray amorphous compds. containing 13-15% peroxide oxygen. A study of the hydrolysis process in aqueous and aqueous H2O2 solns. indicates the formation of mixed ligand Al complexes (Al2F8(μ-OH)(OH)25-, Al2F4(μ-OH)(OH)65-, and isomeric forms).

ACCESSION NUMBER: 1991:172500 CAPLUS
DOCUMENT NUMBER: 114:172500
TITLE: Hydrolysis of aluminum in aqueous peroxide solutions
AUTHOR(S): Kon'shin, V. V.; Chernyshov, B. N.
CORPORATE SOURCE: Inst. Khim., USSR
SOURCE: Koordinatsionnaya Khimiya (1990), 16(10), 1314-18
CODEN: KOKHDC; ISSN: 0132-344X
DOCUMENT TYPE: Journal
LANGUAGE: Russian

=> d hist

(FILE 'HOME' ENTERED AT 17:21:38 ON 14 AUG 2006)

FILE 'CAPLUS' ENTERED AT 17:21:54 ON 14 AUG 2006
L1 1662 S SODIUM PEROXIDE
L2 696 S POTASSIUM SUPEROXIDE
L3 85969 S SODIUM HYDROXIDE
L4 86643 S L2 OR L3
L5 261 S L1 AND L4
L6 29 S L5 AND ALUMINUM
L7 1 S L6 AND HYDROLYSIS
L8 173 S ALUMINUM (2W) (HYDROGEN PEROXIDE)
L9 1 S L8 AND HYDROLYSIS

=> s l8 and l5
L10 0 L8 AND L5

=> s l8 and l1
L11 1 L8 AND L1

=> d l11 abs ibib 1-29

L11 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2006 ACS on STN
AB For corrosion prevention in steels, aluminum, or titanium which experience active-passive transition in contact with an electrolyte, the hydrogen peroxide and/or peroxycarboxylic acids or their constituents are incorporated to inhibit corrosion by inducing passivation of the metal. Application of the method reduces the potential for fouling and scale formation and deposition.

ACCESSION NUMBER: 2001:935844 CAPLUS
DOCUMENT NUMBER: 136:57343
TITLE: Method for corrosion control in cooling water systems by passivation with hydrogen peroxide donors and peroxycarboxylic acids
INVENTOR(S): Martin, Roy
PATENT ASSIGNEE(S): United States Filter Corporation, USA
SOURCE: PCT Int. Appl., 27 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
WO 2001098558	A2	20011227	WO 2001-US19783		20010621
WO 2001098558	A3	20020704			
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM					
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG					
CA 2413888	AA	20011227	CA 2001-2413888		20010621
US 2002043650	A1	20020418	US 2001-13879		20011210
US 6645400	B2	20031111			
PRIORITY APPLN. INFO.:			US 2000-603764	A	20000622
			WO 2001-US19783	W	20010621

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L1	1662	S	SODIUM PEROXIDE
L2	696	S	POTASSIUM SUPEROXIDE
L3	85969	S	SODIUM HYDROXIDE
L4	86643	S	L2 OR L3
L5	261	S	L1 AND L4
L6	29	S	L5 AND ALUMINUM
L7	1	S	L6 AND HYDROLYSIS
L8	173	S	ALUMINUM (2W) (HYDROGEN PEROXIDE)
L9	1	S	L8 AND HYDROLYSIS
L10	0	S	L8 AND L5
L11	1	S	L8 AND L1